

qualified research expenses for taxable years during the base period) is \$175x ((\\$150x+\\$90x+\\$110x)/2). This amount is greater than the amount determined under paragraph (c)(2) of this section, (50 percent of \$250x, or \$125x). Accordingly, the amount of base period research expenses is \$175x. The credit for determination year 1982 is equal to 25 percent of the excess of \$250x (the qualified research expenses incurred during the determination year) over \$175x (the base period research expenses).

(iii) *Determination year 1983.* For determination year 1983, the base period consists of the 3 immediately preceding taxable years 1980, 1981 and 1982. The amount determined under paragraph (c)(1) of this section (the average qualified research expenses for taxable years during the base period) is \$200x ((\\$150x+\\$200x+\\$250x)/3). The amount determined under paragraph (c)(2) of this section is \$225x (50 percent of the \$450x of qualified research expenses in 1983). Accordingly, the amount of base period research expenses is \$225x. The credit for determination year 1983 is equal to 25 percent of the excess of \$450x (the qualified research expenses incurred during the determination year) over \$225x (the base period research expenses).

Example 2. Y, an accrual-basis corporation using the calendar year as its taxable year comes into existence and begins carrying on a trade or business on July 1, 1983. Y incurs qualified research expenses as follows:

7/1/83—12/31/83	\$80x
1984	200x
1985	200x

(i) *Determination year 1983.* For determination year 1983, the base period consists of the 3 immediately preceding taxable years: 1980, 1981 and 1982. Although Y was not in existence during 1980, 1981 and 1982, Y is treated under paragraph (b) of this section as having been in existence during those years with qualified research expenses of zero. Thus, the amount determined under paragraph (c)(1) of this section (the average qualified research expenses for taxable years during the base period) is \$0x ((\\$0x+\\$0x+\\$0x)/3). The amount determined under paragraph (c)(2) of this section is \$40x (50 percent of \$80x). Accordingly, the amount of base period research expenses is \$40x. The credit for determination year 1983 is equal to 25 percent of the excess of \$80x (the qualified research expenses incurred during the determination year) over \$40x (the base period research expenses).

(ii) *Determination year 1984.* For determination year 1984, the base period consists of the 3 immediately preceding taxable years: 1981, 1982, and 1983. Under paragraph (b) of this section, Y is treated as having been in existence during years 1981 and 1982 with qualified research expenses of zero. Because July 1 through December 31, 1983 is a short taxable year, paragraph (d)(2) of this section requires

that the qualified research expenses for that year be adjusted to \$160x for purposes of determining the average qualified research expenses during the base period. The \$160x results from the actual qualified research expenses for that year (\$80x) multiplied by 12 and divided by 6 (the number of months in the short taxable year). Accordingly, the amount determined under paragraph (c)(1) of this section (the average qualified research expenses for taxable years during the base period) is \$53⅓x ((\\$0x+\\$0x+\\$160x)/3). The amount determined under paragraph (c)(2) of this section is \$100x (50 percent of \$200x). The amount of base period research expenses is \$100x. The credit for determination year 1984 is equal to 25 percent of the excess of \$200x (the qualified research expenses incurred during the determination year) over \$100x (the base period research expenses).

(iii) *Determination year 1985.* For determination year 1985, the base period consists of the 3 immediately preceding taxable years: 1982, 1983, and 1984. Pursuant to paragraph (b) of this section, Y is treated as having been in existence during 1982 with qualified research expenses of zero. Because July 1 through December 31, 1982, is a short taxable year, paragraph (d)(2) of this section requires that the qualified research expense for that year be adjusted to \$160x for purposes of determining the average qualified research expenses for taxable years during the base period. This \$160x is the actual qualified research expense for that year (\$80x) multiplied by 12 and divided by 6 (the number of months in the short taxable year). Accordingly, the amount determined under paragraph (c)(1) of this section (the average qualified research expenses for taxable years during the base period) is \$120x ((\\$0x+\\$160x+\\$200x)/3). The amount determined under paragraph (c)(2) of this section is \$100x (50 percent of \$200x). The amount of base period research expenses is \$120x. The credit for determination year 1985 is equal to 25 percent of the excess of \$200x (the qualified research expenses incurred during the determination year) over \$120x (the base period research expenses).

§ 1.41-4 Qualified research for taxable years beginning after December 31, 1985. [Reserved]

§ 1.41-5 Qualified research for taxable years beginning before January 1, 1986.

(a) *General rule.* Except as otherwise provided in section 30(d) (as that section read before amendment by the Tax Reform Act of 1986) and in this section, the term “qualified research” means research, expenditures for which would be research and experimental expenditures within the meaning of section